

Morbidity and Mortality

Weekly Report



FEDERAL SECURITY AGENCY Public Health Service

NATIONAL OFFICE OF VITAL STATISTICS

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Provisional Information on Selected Notifiable Diseases in the United States for Week Ended March 7, 1953

Smallpox

Three cases of smallpox were reported for the current week, 1 each in North Carolina, West Virginia, and Vermont. The Division of Foreign Quarantine, Public Health Service, has also received information regarding a case in a person living near El Paso, Texas.

For the current week a total of 84 cases of poliomyelitis was reported as compared with 86 for the corresponding week of last year. States which reported the disease by type, paralytic and nonparalytic, and those not specified were as follows:

State	Paralytic	Nonparalytic	Not specified
California-----	9	2	9
Connecticut-----	-	1	-
Kentucky-----	1	-	-
Massachusetts----	1	-	1
Michigan-----	-	6	1
Texas-----	4	1	1
West Virginia----	1	1	1

EPIDEMIOLOGICAL REPORTS

Influenza

The following reports were received by the Influenza Information Center, N. I. H., and the National Office of Vital Statistics.

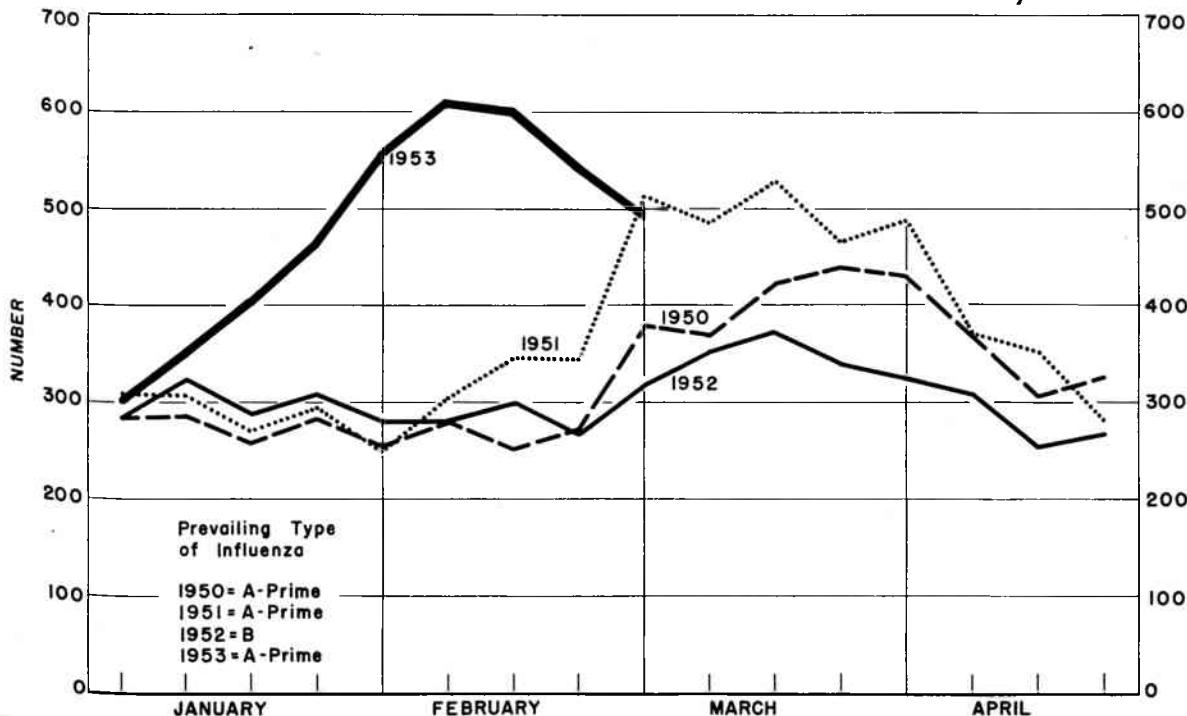
Dr. E. H. Lennette, California State Department of Public Health, reports serologic diagnosis of 13 cases of influenza A and A-prime, having onsets between January 15 and February 9.

New York State Department of Health Laboratories, reports the serologic diagnosis of influenza A-prime in 4 cases from Ray Brook, New York, 1 case from Westchester County, and 3 cases from Lake Placid having onsets in the middle of January.

Dr. C. C. Croft, Ohio State Department of Health, reports the serologic diagnoses of influenza A-prime in 9 cases from Apple Creek (Wayne County) and 4 cases from Bowling Green (Wood County).

Dr. S. B. Krumbiegel, Medical Director, Federal Bureau of Prisons, reports the occurrence of influenza during February in six penal and correctional institutions located in as many States. Infections usually were mild and as high as one-fourth of the in-

Deaths From Influenza and Pneumonia for 58 Selected Cities, by Weeks



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mates were reported to have been ill.

Dr. J. A. Carswell, Alaska Department of Health, reports the occurrence of influenza in Sitka, Anchorage, Nome, and Hotzebue during the month of February.

Dr. E. W. Seaforth, Lac du Flambeau Indian Reservation, Wisconsin, reports that in an outbreak on the reservation affecting 106 individuals, the attack rate was highest among persons below the age of 17 years. Seven cases of secondary bacterial pneumonia with no fatalities were observed.

Dr. Evelyn Rogers, District Health Officer, reports an outbreak of an influenza-like disease in Madison County, New York, late in February. In a school attended by 178 children, 73 were absent. Sore throat, cough, and fever were predominant symptoms.

Dr. H. M. Erickson, Oregon Health Officer, states that the reported incidence of influenza was lower in February than for the corresponding period of 1952, when influenza B was epidemic. Three of 6 paired specimens examined recently showed serologic incidence of influenza A-prime.

The number of deaths from influenza and pneumonia reported by 58 cities was 495 for the week ended February 28 as compared with 544 for the previous week. The numbers reported for these cities by geographic division, with figures for the previous week in parentheses, were: New England, 41 (41); Middle Atlantic, 155

(199); East North Central, 95 (111); West North Central, 41 (41); South Atlantic, 69 (54); East South Central, 47 (42); West South Central, 20 (19); Mountain, 6 (10); and Pacific, 21, (27).

Psittacosis

Dr. W. L. Halverson, Director, California Department of Public Health, reports 2 cases of psittacosis. The first case was in a 53-year-old white woman. She was exposed to a parakeet 2 to 3 weeks prior to her illness. Complement fixation tests for the first sample were negative, but for samples taken 7 days later, were positive for psittacosis antigens in titers of 1:64 and 1:128. The virus was isolated by mouse inoculation from liver and spleen of a parakeet to which the patient was exposed. The second case was in a 60-year-old custom's officer who was exposed for 5 hours to 1,427 confiscated contraband parakeets. These birds were being smuggled into the United States from Mexico. Two weeks after contact with the birds the officer developed anorexia, chills, fever, and malaise. He was treated with terramycin and the symptoms disappeared for 1 week. On reappearance of symptoms, he was treated with aureomycin. A chest X-ray showed frank infiltration in the right lung base. Blood specimens drawn on 2 different dates were reported positive for psittacosis in titer of 1:128.

Table 1. COMPARATIVE DATA FOR CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	TOTAL FOR WEEK ENDED		5-year median 1948-52	Approximate seasonal low week ended	CUMULATIVE TOTAL SINCE SEASONAL LOW WEEK		5-year median 1947-48 through 1951-52	CUMULATIVE TOTAL FOR CALENDAR YEAR		5-year median 1948-52
	Mar. 7, 1953	Mar. 1, 1952			1952-53	1951-52		1953	1952	
Anthrax-----062	1	-	-	(2)	(2)	(2)	(2)	6	7	11
Botulism-----049.1	-	-	-	(2)	(2)	(2)	(2)	4	3	---
Brucellosis (undulant fever)----044	36	37	---	(2)	(2)	(2)	(2)	239	301	---
Diphtheria----055	55	69	144	July 1	2,089	2,856	5,841	441	675	1,490
Encephalitis, acute infectious---082	19	18	18	(2)	(2)	(2)	(2)	151	180	105
Hepatitis, infectious, and serum-----092, N998.5 pt.	544	648	---	(2)	(2)	(2)	(2)	3,803	4,428	---
Malaria-----110-117	5	25	---	(2)	(2)	(2)	(2)	85	273	---
Measles-----085	10,954	30,465	18,962	Sept. 1	4,100,121	226,511	141,352	4,69,347	174,334	111,135
Meningococcal infections-----057	132	125	91	Sept. 1	2,556	2,204	1,790	1,324	1,049	797
Poliomyelitis, acute-----080	84	86	81	Apr. 1	57,555	28,413	28,413	1,309	1,041	972
Rabies in man-----094	-	-	---	(2)	(2)	(2)	(2)	-	2	---
Rocky Mountain spotted fever---104A	2	1	1	(2)	(2)	(2)	(2)	4	7	7
Scarlet fever and streptococcal sore throat-----050,051	4,049	4,052	2,586	Aug. 1	73,312	41,624	41,624	37,710	25,713	20,711
Smallpox-----084	53	-	1	(2)	(2)	(2)	(2)	3	4	10
Trichiniasis-----128	4	5	---	(2)	(2)	(2)	(2)	33	32	---
Tularemia-----059	12	12	15	(2)	(2)	(2)	(2)	101	147	186
Typhoid fever-----040	17	31	31	Apr. 1	82,197	2,063	2,699	8208	278	278
Typhus fever, endemic-----101	4	-	---	Apr. 1	179	---	---	29	17	---
Whooping cough-----056	631	1,082	1,734	Oct. 1	13,621	24,699	36,461	5,764	10,514	14,847
Rabies in animals-----	174	191	---	(2)	(2)	(2)	(2)	1,466	1,535	---

¹Reported in Pennsylvania.²Not computed³Deduction: Arkansas, week ended February 21, 1 case.⁴Addition: Kansas, week ended February 28, 32 cases.⁵Vermont, West Virginia, and North Carolina, 1 case each.⁶Deduction: Arkansas, week ended January 31, 1 case.

NOTE.--No report for the current week has been received from Nevada.

SOURCE AND NATURE OF DATA

These provisional data are based on reports from State and territorial health departments to the Public Health Service. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding

Saturday. When the diseases which rarely occur (cholera, dengue, plague, typhus fever—epidemic, and yellow fever) are reported, they will be noted under the table above.

Symbols.—1 dash [-] : no cases reported; asterisk [*] : disease stated not notifiable; parentheses, [()] : data not included in total; 3 dashes [---] : data not available.

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Table 2. CASES OF SPECIFIED DISEASES WITH COMPARATIVE DATA: UNITED STATES,
EACH DIVISION AND STATE FOR WEEK ENDED MARCH 7, 1953

(Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	DIPHTHERIA (055)		HEPATITIS, INFECTIOUS, AND SERUM (092, N998.5 pt.)		MEASLES (085)		MENINGOCOCCAL INFECTIONS (057)		POLIOMYELITIS, ACUTE (080)		SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050, 051)	
	9th week		9th week		9th week		9th week		9th week		9th week	
	1953	1952	1953	1952	1953	1952	1953	1952	1953	1952	1953	1952
UNITED STATES-----	55	69	544	648	10,954	30,465	132	125	84	86	4,049	4,052
NEW ENGLAND-----	-	4	47	5	166	6,929	7	5	3	2	319	190
Maine-----	-	-	16	2	8	807	1	-	-	-	55	13
New Hampshire-----	-	-	2	-	-	103	-	-	-	-	9	11
Vermont-----	-	-	-	-	8	280	1	-	-	1	14	3
Massachusetts-----	-	3	18	2	83	3,753	3	3	2	-	123	89
Rhode Island-----	-	-	-	-	5	372	-	1	-	-	16	12
Connecticut-----	-	1	11	1	62	1,614	2	1	1	1	102	62
MIDDLE ATLANTIC-----	-	8	100	57	585	11,215	14	14	7	4	833	912
New York-----	-	5	77	32	148	4,444	6	6	6	3	510	566
New Jersey-----	-	-	-	-	99	3,460	2	-	-	-	125	153
Pennsylvania-----	-	3	23	25	338	3,311	6	8	1	1	198	193
EAST NORTH CENTRAL-----	4	4	68	40	3,169	5,218	24	18	17	4	803	1,244
Ohio-----	1	1	24	23	672	749	13	6	5	-	175	317
Indiana-----	-	2	5	9	44	296	2	2	2	-	64	173
Illinois-----	2	-	14	-	335	1,454	6	8	-	1	162	177
Michigan-----	-	1	22	6	653	1,436	3	2	7	1	246	459
Wisconsin-----	1	-	3	2	1,465	1,283	-	-	3	2	156	118
WEST NORTH CENTRAL-----	1	5	90	47	1,106	718	10	4	4	2	327	262
Minnesota-----	-	1	2	7	158	27	4	-	-	-	56	56
Iowa-----	-	1	20	16	106	105	-	1	-	-	57	20
Missouri-----	1	2	21	9	239	76	2	2	-	-	58	25
North Dakota-----	-	-	6	1	87	39	2	-	1	-	53	26
South Dakota-----	-	-	-	7	2	-	-	-	3	2	10	1
Nebraska-----	-	1	33	-	56	174	-	-	-	-	12	96
Kansas-----	-	-	8	14	453	295	2	1	-	-	81	38
SOUTH ATLANTIC-----	13	13	115	178	671	2,457	39	34	12	6	326	298
Delaware-----	-	-	-	-	6	19	-	-	-	-	4	4
Maryland-----	-	1	7	2	17	548	3	4	-	-	88	53
District of Columbia-----	-	1	-	-	7	128	-	-	-	-	2	7
Virginia-----	6	2	45	28	229	565	4	2	-	-	133	63
West Virginia-----	-	-	21	51	227	212	2	3	3	-	18	42
North Carolina-----	2	2	33	9	114	167	10	11	-	1	39	90
South Carolina-----	2	-	-	1	34	138	4	2	-	-	2	10
Georgia-----	3	7	9	85	30	532	13	9	3	4	20	14
Florida-----	-	-	-	2	7	148	3	3	6	1	20	15
EAST SOUTH CENTRAL-----	8	10	60	266	364	2,076	16	8	1	5	106	192
Kentucky-----	1	3	18	205	72	514	4	2	1	1	49	81
Tennessee-----	3	3	15	27	98	307	8	4	-	-	39	106
Alabama-----	4	2	-	32	116	1,219	4	1	-	2	8	5
Mississippi-----	-	2	27	2	78	36	-	1	-	2	10	-
WEST SOUTH CENTRAL-----	4	18	24	10	2,578	360	8	16	11	34	554	294
Arkansas-----	-	1	4	6	326	66	2	1	-	2	31	50
Louisiana-----	-	-	-	-	34	6	1	2	-	10	18	-
Oklahoma-----	2	4	-	4	38	40	-	1	4	-	41	16
Texas-----	2	13	20	-	2,180	248	5	12	7	22	464	228
MOUNTAIN-----	23	-	9	17	835	543	3	4	6	5	323	227
Montana-----	-	-	-	-	79	138	-	2	-	-	30	11
Idaho-----	21	-	-	2	25	13	-	-	2	1	86	12
Wyoming-----	-	-	-	-	6	5	-	-	-	-	86	3
Colorado-----	2	-	2	7	351	135	2	1	-	1	41	13
New Mexico-----	-	-	1	-	90	38	-	1	-	2	16	5
Arizona-----	-	-	-	3	108	64	-	-	2	-	13	123
Utah-----	-	-	6	5	176	148	1	-	2	-	51	57
Nevada-----	-	-	-	-	2	-	-	-	1	-	3	-
PACIFIC-----	2	7	31	28	1,480	949	11	22	23	24	458	433
Washington-----	2	3	4	3	192	126	1	4	1	5	202	64
Oregon-----	-	1	13	2	168	61	-	1	2	2	62	78
California-----	-	3	14	23	1,120	762	10	17	20	17	194	291
Alaska-----	(-)	(-)	(-)	(-)	(15)	(-)	(-)	(-)	(-)	(-)	(-)	(3)
Hawaii-----	(-)	(-)	(3)	(-)	(3)	(259)	(-)	(1)	(-)	(1)	(-)	(2)
Puerto Rico-----	(9)	(8)	(-)	(-)	(58)	(23)	(-)	(-)	(-)	(1)	(-)	(-)

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Table 2. CASES OF SPECIFIED DISEASES WITH COMPARATIVE DATA: UNITED STATES,
EACH DIVISION AND STATE FOR WEEK ENDED MARCH 7, 1953—Continued

(Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

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Table 3. CASES OF SPECIFIED DISEASES: SELECTED CITIES FOR WEEK ENDED
MARCH 7, 1953

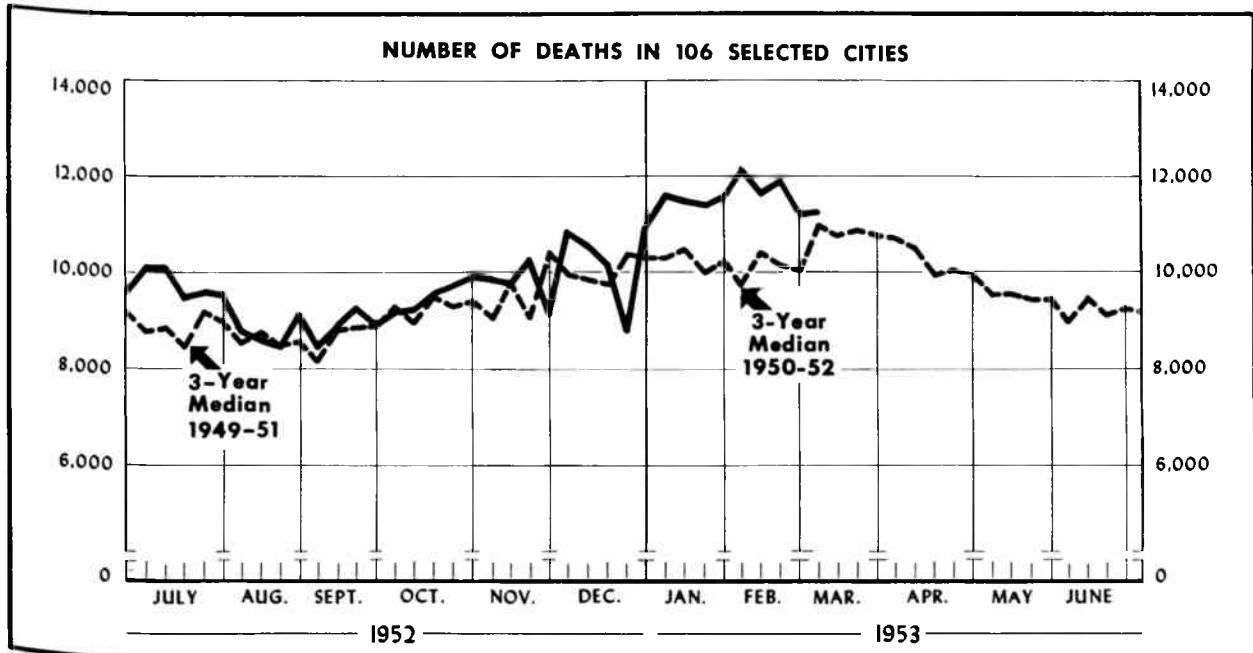
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Table 3. CASES OF SPECIFIED DISEASES: SELECTED CITIES FOR WEEK ENDED
MARCH 7, 1953—Continued

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

**Provisional Statistics for Deaths in Selected Cities for
Week Ended March 7, 1953**



During the first 8 weeks of 1953 the number of deaths reported in 106 major cities exceeded the 3-year median for the corresponding week, 1950-52, by 11 to 25 percent. The two curves shown in the above chart are now close together — the difference between the current week and the median is only 2 percent. However, the curve for the 3-year median rose sharply in the first week of March, reflecting the experience of the last 3 years, when there was an increased incidence of influenza and pneumonia in the early spring.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated, for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval

between death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city where 50 deaths are the weekly average, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ($d \pm 2\sqrt{d}$, where d represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 4. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISION

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

GEOGRAPHIC DIVISION	9th week ended Mar. 7, 1953	8th week ended Feb. 28, 1953	9th week median 1950-52	Percentage difference between current week and median	CUMULATIVE NUMBER FOR FIRST 9 WEEKS		
					1953	1952	Percentage difference
TOTAL: 103 REPORTING CITIES-----	11,102	11,127	10,838	+2.4	103,383	93,149	+11.0
New England----- (14 cities)	775	759	786	-1.4	6,805	6,186	+10.0
Middle Atlantic----- (16 cities)	3,227	3,337	3,320	-3.4	30,169	28,226	+6.9
East North Central----- (18 cities)	2,469	2,545	2,530	+4.0	23,029	20,050	+14.9
West North Central----- (8 cities)	812	770	718	+13.1	7,821	6,613	+18.3
South Atlantic----- (9 cities)	848	903	843	+0.6	8,372	7,296	+14.7
East South Central----- (7 cities)	514	497	441	+16.6	4,659	3,976	+17.2
West South Central----- (12 cities)	794	805	783	+1.4	7,501	6,618	+13.3
Mountain----- (7 cities)	263	255	222	+18.5	2,599	2,067	+25.7
Pacific----- (12 cities)	1,400	1,276	1,334	+4.9	12,428	12,117	+2.6

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Table 5. DEATHS IN SELECTED CITIES FOR WEEK ENDED
MARCH 7, 1953

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

CITY	9th week ended Mar. 7th 1953	8th week ended Feb. 28th 1953	CUMULATIVE NUMBER FOR FIRST 9 WEEKS		CITY	9th week ended Mar. 7th 1953	8th week ended Feb. 28th 1953	CUMULATIVE NUMBER FOR FIRST 9 WEEKS						
			1953	1952				1953	1952					
NEW ENGLAND														
Boston-----	285	252	2,297	2,073	St. Paul-----	85	67	688	585					
Bridgeport-----	37	26	322	332	Wichita-----	40	52	419	413					
Cambridge-----	33	29	268	313	SOUTH ATLANTIC									
Fall River-----	31	36	279	251	Atlanta-----	108	117	1,060	915					
Hartford-----	35	57	477	407	Baltimore-----	236	248	2,487	2,220					
Lowell-----	33	31	269	223	Charlotte-----	42	31	282	257					
Lynn-----	22	21	206	222	Miami-----	63	75	652	551					
New Bedford-----	32	29	256	224	Norfolk-----	36	51	353	282					
New Haven-----	50	43	464	386	Richmond-----	60	83	695	659					
Providence-----	72	71	631	593	Tampa-----	77	60	645	575					
Somerville-----	20	17	161	160	Washington, D. C.-----	191	200	1,886	1,538					
Springfield, Mass.-----	30	38	346	331	Wilmington, Del.-----	35	38	312	299					
Waterbury-----	29	31	263	221	EAST SOUTH CENTRAL									
Worcester-----	66	58	566	450	Birmingham-----	84	78	745	648					
MIDDLE ATLANTIC														
Albany-----	48	53	444	371	Chattanooga-----	47	43	427	441					
Buffalo-----	150	167	1,350	1,290	Knoxville-----	37	37	344	309					
Camden-----	37	30	349	334	Louisville-----	119	139	1,105	932					
Elizabeth-----	(37)	(36)	--	(354)	Memphis-----	115	103	1,139	887					
Erie-----	45	41	331	285	Mobile-----	39	36	339	297					
Jersey City-----	80	83	699	695	Montgomery-----	(39)	(23)	(311)	(235)					
Newark, N. J.-----	118	88	1,068	1,094	Nashville-----	73	61	560	462					
New York City-----	1,633	1,744	16,342	15,052	WEST SOUTH CENTRAL									
Paterson-----	54	44	395	400	Austin-----	30	21	276	207					
Philadelphia-----	567	561	4,727	4,508	Baton Rouge-----	20	13	131	140					
Pittsburgh-----	194	217	1,683	1,626	Corpus Christi-----	6	22	177	160					
Rochester, N. Y.-----	120	120	1,000	887	Dallas-----	87	104	943	842					
Schenectady-----	15	27	231	219	El Paso-----	27	28	308	265					
Syracuse-----	58	56	538	487	Fort Worth-----	59	71	595	496					
Trenton-----	54	41	471	443	Houston-----	135	131	1,254	1,145					
Utica-----	30	35	283	272	Little Rock-----	---	(37)	---	(443)					
Yonkers-----	24	21	258	263	New Orleans-----	162	200	1,625	1,415					
EAST NORTH CENTRAL														
Akron-----	67	66	611	538	Oklahoma City-----	64	60	577	531					
Canton-----	35	36	282	287	San Antonio-----	82	91	841	721					
Chicago-----	762	825	7,771	6,484	Shreveport-----	52	28	438	349					
Cincinnati-----	166	171	1,507	1,317	Tulsa-----	70	36	336	347					
Cleveland-----	300	253	2,120	1,896	MOUNTAIN									
Columbus-----	109	127	1,129	954	Albuquerque-----	27	24	286	226					
Dayton-----	67	56	593	552	Colorado Springs-----	10	7	132	107					
Detroit-----	342	373	3,197	2,814	Denver-----	125	120	1,196	981					
Evansville-----	32	40	337	310	Ogden-----	11	17	119	110					
Flint-----	45	44	346	332	Phoenix-----	22	32	241	193					
Fort Wayne-----	32	40	326	267	Pueblo-----	14	18	149	98					
Grand Rapids-----	39	50	404	347	Salt Lake City-----	54	37	476	352					
Indianapolis-----	121	127	1,151	1,028	Tucson-----	(6)	(8)	(55)	(54)					
Milwaukee-----	146	114	1,316	1,093	PACIFIC									
Peoria-----	28	29	297	306	Berkeley-----	23	14	182	195					
South Bend-----	27	30	224	211	Long Beach-----	54	61	466	462					
Toledo-----	95	103	867	863	Los Angeles-----	530	420	4,484	4,441					
Youngstown-----	56	61	551	451	Oakland-----	116	105	972	979					
WEST NORTH CENTRAL														
Des Moines-----	48	50	506	482	Pasadena-----	41	40	352	313					
Duluth-----	38	27	278	209	Portland, Oreg.-----	98	93	959	975					
Kansas City, Kans.-----	---	---	---	(345)	Sacramento-----	59	57	483	439					
Kansas City, Mo.-----	139	147	1,566	1,081	San Diego-----	88	81	710	727					
Minneapolis-----	121	112	1,309	1,077	San Francisco-----	197	209	1,995	1,856					
Omaha-----	65	57	687	567	Seattle-----	119	109	1,090	1,064					
St. Louis-----	276	258	2,568	2,199	Spokane-----	45	49	407	349					
					Tacoma-----	30	38	328	317					
					Honolulu-----	(32)	(42)	(306)	(302)					

Symbols.—parentheses [()]: data not included in table 4; 3 dashes [---]: data not available.